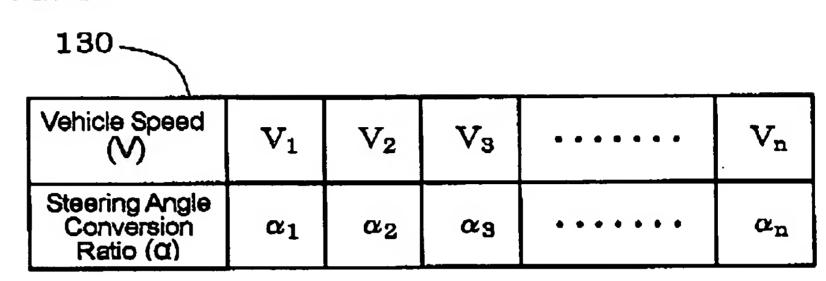


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FIG 9



 $\alpha = \theta / \varphi$

φ: Handle Shaft Angular Position

heta: Steering Shaft Angular Position

FIG. 10

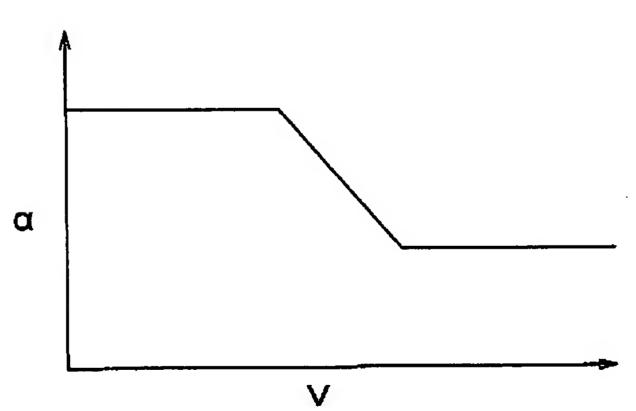


FIG. 11

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Δ6	Vs	Vs ₁	Vs ₂	Vs ₃	$\mathbf{Vs_4}$	• • •	Vs_n
Δ	θ_1	711	η 12	η 13	η 14	• • •	η_{ln}
Δ	θ2	η 21	η 22	η ₂₃	η 24	• • •	η _{2n}
Δ	θ ₃	η ₃₁	η ₃₂	η 33	77 34	• • •	η _{3n}
Δ	θ4	η ₄₁	η 42	η 43	7144	• • •	η_{An}
		•	:	•	•	• •	•
Δ	$\theta_{ extbf{m}}$	η_{ml}	η_{m2}	η _{m3}	η_{m4}	• • •	$\eta_{ m mn}$

 η : Duty Ratio Δ θ = θ '- θ

θ ': Target Steering Shaft Angular Positionθ : Present Steering Shaft Angular Position

